

Serial No.: 09/517,680

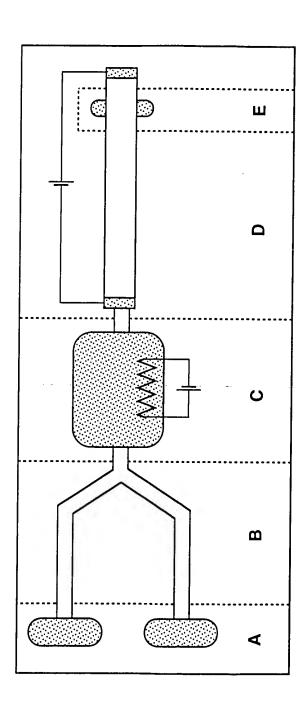
Filed: 03/02/00 Examiner: J. Ludlow Group Art Unit: 1743

Applicant: Mark A. Burns Title: Thermal Microvalves

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Title: Thermal Microvalves

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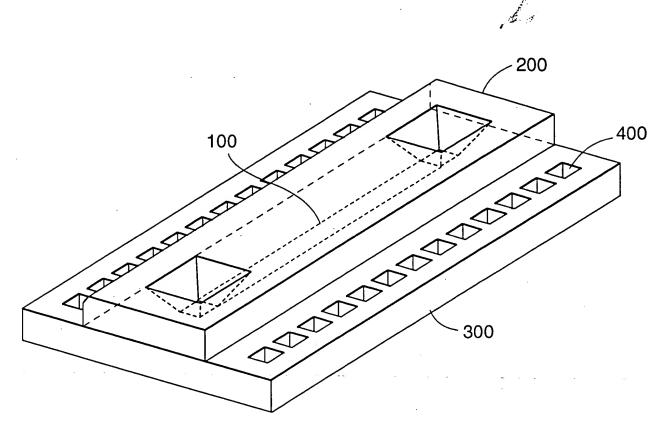


FIG. 2



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Title: Thermal Microvalves

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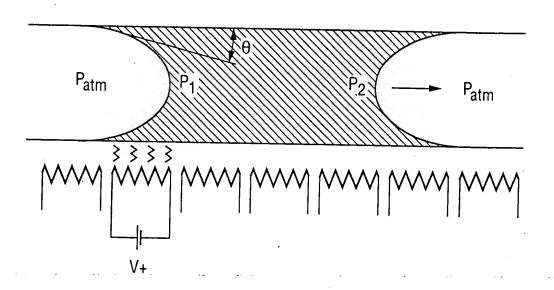


FIG. 3



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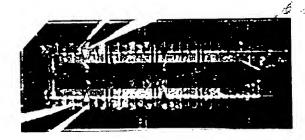


FIG. 4A

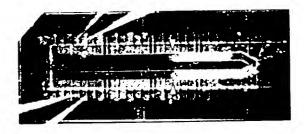


FIG. 4B

FIG. 4C



FIG. 4D





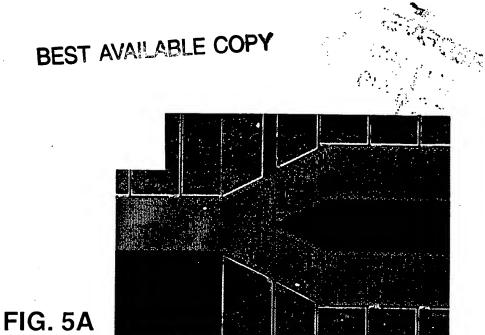
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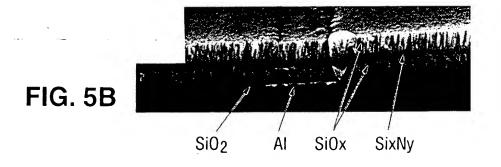
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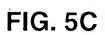
Applicant: Mark A. Burns

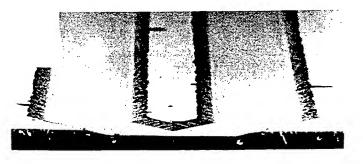
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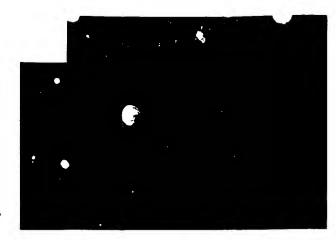
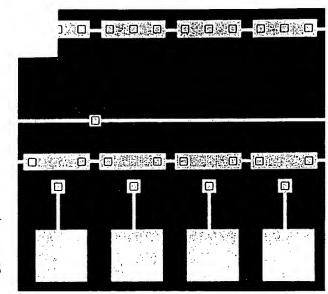


FIG. 6A



FIG. 6B



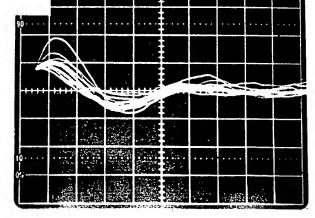


FIG. 6C



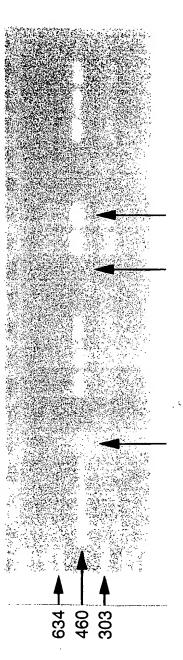
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LIQUID NAILS GLUE **BOND-ALL GLUE GOOP GLUE RUBBER CEMENT CURED SILICONE SEALER UV GLUE VACUUM GREASE SILICON SPRAY POLYAMIDE RUBBER GASKET REACTION VIAL PLASTIC** STAINLESS STEEL THERM. WIRE THERMOCOUPLE **CRUSHED SILICON SILICON WAFER CRUSHED GLASS GLASS CAPILLARY CONTROL** LADDER



PCR RESULTS WITH STANDARD REAGENT AMOUNTS



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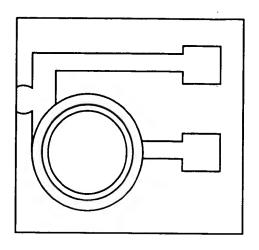
Examiner: J. Ludlow Applicant: Mark A. Burns

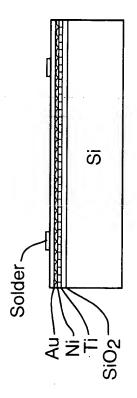
Title: Thermal Microvalves

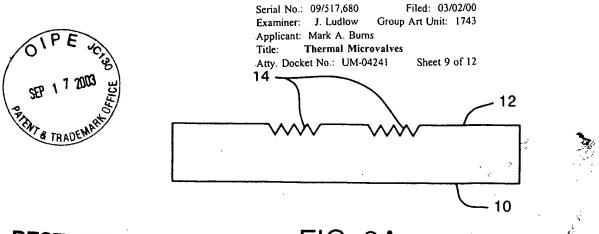
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FIG. 9A

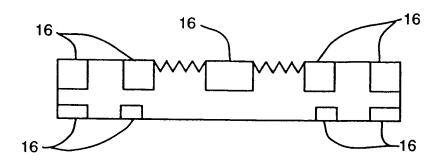


FIG. 9B

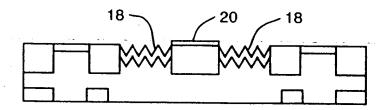


FIG. 9C

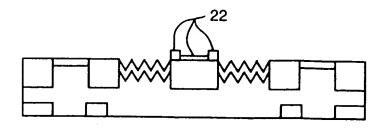


FIG. 9D



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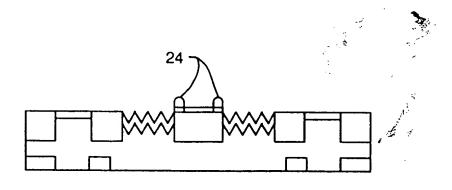


FIG. 9E

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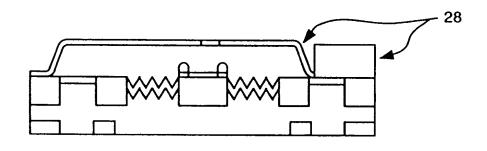


FIG. 9F

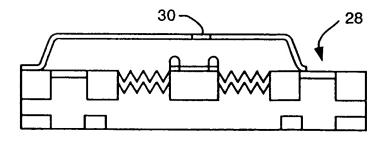


FIG. 9G



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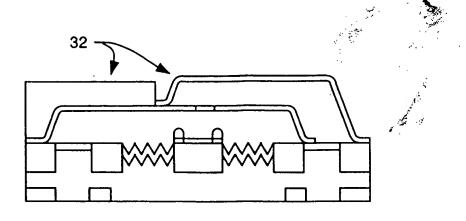


FIG. 9H

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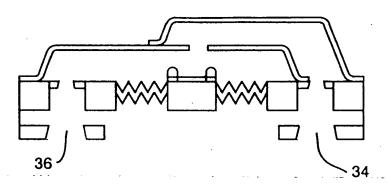


FIG. 91

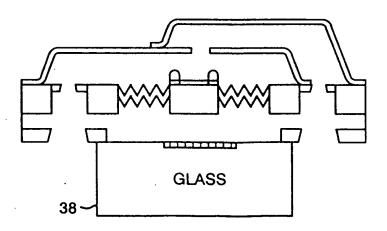


FIG. 9J



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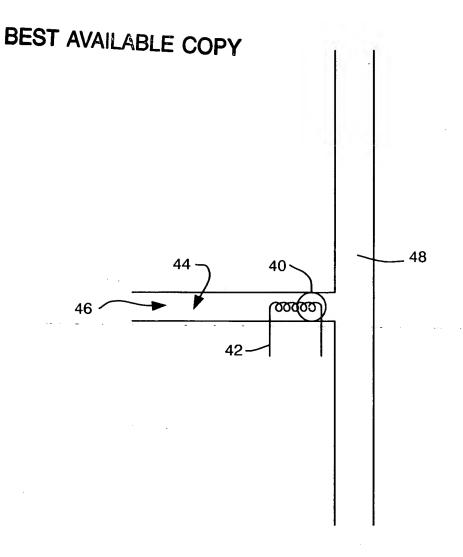


FIG. 10